

In the claims:

Cancel claims 1-19 and replace them with the following new claims 20 through 42.

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~~20. A colored soda-lime glass composed of glass-forming principal constituents and of coloring agents, characterized in that it contains from 0.40 to 0.52% by weight of FeO and has, under illuminant A and for a glass thickness of 4 mm, a light transmission (TLA4) of less than 70%, a selectivity (SE4) of greater than 1.65 and an ultraviolet radiation transmission (TUV4) of less than 8%.~~

21. The colored glass in accordance with claim 20, characterized in that it has a selectivity (SE4) of at least 1.70.

22. The colored glass in accordance with claim 20, characterized in that it has a selectivity (SE4) of at least 1.75.

23. The colored glass in accordance with claim 20, characterized in that it has a light transmission greater than 15% and less than 50%.

24. The colored glass in accordance with claim 20, characterized in that it has a light transmission greater than 20% and less than 45%.

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25. The colored glass in accordance with claim 20, characterized in that it has, for a glass thickness of 5 mm, a dominant wavelength (λ_D) of less than 550 nm.

26. The colored glass in accordance with claim 20, characterized in that it has, for a glass thickness of 5 mm, a dominant wavelength (λ_D) of less than 520 nm.

27. The colored glass in accordance with claim 20, characterized in that it has a purity (P) of greater than 9%.

28. The colored glass in accordance with claim 20, characterized in that it has a purity (P) of greater than 10%.

29. The colored glass in accordance with claim 20, characterized in that it contains, in addition to Fe, at least one coloring agent selected from the group consisting of Cr, Co, V, Se, Ti, Ce, Mn.

30. The colored glass in accordance with claim 20, characterized in that it has the following optical properties:

$$20\% < TLA_4 < 40\%$$

$$15\% < TE_4 < 25\%$$

$$0\% < TUV_4 < 5\%$$

$$480 \text{ nm} < \lambda_D < 520 \text{ nm}$$

$$10\% < P < 20\%.$$

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31. The colored glass in accordance with claim 20, characterized in that it comprises coloring agents in the following percentages by weight, the total amount of iron being expressed in the form of Fe_2O_3 :

Fe_2O_3 1.2 to 1.85%

FeO 0.40 to 0.50%

Co 0.0020 to 0.0130%

Cr_2O_3 0 to 0.0240%

V_2O_5 0 to 0.1%

Se 0 to 0.0015%.

32. The colored glass in accordance with claim 20, characterized in that it has the following optical properties:

$25\% < \text{TLA4} < 35\%$

$15\% < \text{TE4} < 20\%$

$0\% < \text{TUV4} < 3.5\%$

$495 \text{ nm} < \lambda_D < 500 \text{ nm}$

$10\% < P < 15\%$.

33. The colored glass in accordance with claim 20, characterized in that it has a TLA4 of less than 30%.

34. The colored glass in accordance with claim 20, characterized in that it has a TLA4 of less than 28%.

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35. The colored glass in accordance with claim 20, characterized in that it comprises coloring agents in the following percentages by weight, the total amount of iron being expressed in the form of Fe_2O_3 :

Fe_2O_3 1.45 to 1.85%

FeO 0.40 to 0.45%

Co 0.0030 to 0.0120%

Cr_2O_3 0.0190 to 0.0230%

V_2O_5 0.0350 to 0.0550%

Se 0 to 0.0010%.

36. The colored glass in accordance with claim 20, characterized in that its percentage by weight of FeO is greater than 0.42.

37. The colored glass in accordance with claim 20, characterized by the absence of Se as a coloring agent.

38. The colored glass in accordance with claim 20, characterized in that it has, for a thickness of 5 mm, a light transmission under illuminant C (TLC5) of between 15% and 35%.

39. The colored glass in accordance with claim 20, characterized in that it is coated with a layer of at least one metal oxide.

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